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APPLICATION NO.	FILING	DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/416,715	10/13/		MANFRED LEMBKE	10191/1201	6509
26646 KENYON &	7590 KENYON	02/26/2002		EXAMI	NER
ONE BROADWAY NEW YORK, NY 10004				ZACHARIA, RAMSEY E	
				ART UNIT	PAPER NUMBER
				1773	
		•		DATE MAILED: 02/26/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
و		09/416,715	LEMBKE ET AL.				
Office Action Summary		Examiner	Art Unit				
	•	Ramsey Zacharia	1773				
	- The MAILING DATE of this communication app	pears on the cov r sheet with	the correspondence address				
Period fo	r Reply						
THE No. 1 - External formal from the second	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. Isions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a repl period for reply is specified above, the maximum statutory period re to reply within the set or extended period for reply will, by statute eply received by the Office later than three months after the mailin and patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply y within the statutory minimum of thirty (3 will apply and will expire SIX (6) MONTH	be timely filed iii) days will be considered timely. S from the mailing date of this communication. DONED (35 U.S.C. § 133).				
1)⊠	Responsive to communication(s) filed on 08	February 2002 .					
2a) <u></u> □		nis action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
4)⊠	4)⊠ Claim(s) 1,4-6 and 8-17 is/are pending in the application.						
	4a) Of the above claim(s) is/are withdra	wn from consideration.					
5)[Claim(s) is/are allowed.						
6)⊠	Claim(s) 1.4-6 and 8-17 is/are rejected.						
	Claim(s) is/are objected to.						
8)[]	Claim(s) are subject to restriction and/	or election requirement.					
Applicat	ion Papers		•				
9)[The specification is objected to by the Examin	er.					
10)	The drawing(s) filed on is/are: a) acc	epted or b)⊡ objected to by the	e Examiner.				
	Applicant may not request that any objection to t	he drawing(s) be held in abeyan	ice. See 37 CFR 1.85(a).				
11)	The proposed drawing correction filed on	is: a)∐ approved b)∐ dis	sapproved by the Examiner.				
If approved, corrected drawings are required in reply to this Office action.							
	The oath or declaration is objected to by the E	xaminer.					
Priority	under 35 U.S.C. §§ 119 and 120		440(-) (4) 05 (6)				
1	Acknowledgment is made of a claim for foreign	gn priority under 35 U.S.C. §	119(a)-(d) or (i).				
a)⊠ All b)□ Some * c)□ None of:						
	1. Certified copies of the priority docume	nts have been received.	adjection No.				
	2. Certified copies of the priority docume	nts have been received in Ap	pplication No				
	3. Copies of the certified copies of the prapplication from the International Esee the attached detailed Office action for a li	Bureau (PCT Rule 17.2(a)).					
14)	Acknowledgment is made of a claim for dome	stic priority under 35 U.S.C. §	§ 119(e) (to a provisional application).				
	a) The translation of the foreign language packnowledgment is made of a claim for dome	provisional application has be	en received.				
Attachme							
1) No	tice of References Cited (PTO-892) tice of Draftsperson's Patent Drawing Review (PTO-948) ormation Disclosure Statement(s) (PTO-1449) Paper No(s	5) Notice of I	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)				
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DETAILED ACTION

Continued Prosecution Application

- 1. The request filed on February 8, 2002 for a Continued Prosecution Application (CPA) under 37 CFR 1.53(d) based on parent Application No. 09/416,715 is acceptable and a CPA has been established. An action on the CPA follows.
- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Objections

Claim 8 is objected to because of two antecedent basis informalities. To maintain proper antecedent basis, the phrase "fluorine-containing polymer" should be replaced with --polymeric fluorocarbon resin-- and the phrase "fluorosilane" should be replaced with --fluorine-containing silane--. Appropriate correction is required.

Claim Rejections - 35 USC § 102

4. Claims 1, 4-6, 8-13, and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Gruner at al. (U.S. Patent 4,345,465).

Gruner et al. teach a probe for measuring the rate of flow, temperature, or both of a flowing gas or other fluid that may be used in an internal combustion engine (column 1, lines 5-13). The probe comprises thin sheets of a heat resistant polymer having a hydrophobic coating

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that is preferably 0.5 µm thick (column 1, lines 35-66). The hydrophobic coating may be a polymer of hexafluoropropylene, i.e. a polymeric fluorocarbon resin or fluorine-containing polymer, that is designed to prevent dirt from contaminating the surface (column 3, lines 18-25).

Regarding the limitations of claims 4, 5, and 10, the stability temperature, surface energy, and decomposition temperature are taken to be physical properties of the material. Since Gruner et al. uses a fluorinated polymer for the hydrophobic coating as is done in the instant application, the hydrophobic coating of Gruner et al. is taken to inherently possess the same material properties as that of the instant invention.

Moreover, the hydrophobic coating of Gruner et al. is taken to pass a cross-cut test since it is the same material as used in the instant invention and is designed to act as a protective layer.

Claim Rejections - 35 USC § 103

5. Claims 14-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sugimoto et al. (U.S. patent 4,606,952) in view of Gruner at al. (U.S. Patent 4,345,465).

Sugimoto et al. teach an automotive fuel hose and fuel pump diaphragm comprising a laminate of a fluororubber inner layer bonded to an outer layer (column 1, lines 9-13).

Sugimoto et al. do not teach the presence of a sensor element.

Gruner et al. teach a probe for measuring the rate of flow, temperature, or both of a flowing gas or other fluid that may be used in an internal combustion engine (column 1, lines 5-

13). The probe is designed to be disposed in a flow channel or duct of a fluid medium (claim 1).

One of ordinary skill in the art would be motivated to dispose the probe of Gruner et al. in the fuel hose or pump of Sugimoto et al. to allow for detection of, and subsequent control

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over, the rate of flow through the hose or pump.

Regarding claim 16, the hose or pump containing the probe reads on a housing for the probe.

Therefore, the inventions of claims 14-16 would have been obvious to one of ordinary skill in the art at the time the inventions were made.

Response to Arguments

6. Applicant's arguments with respect to claims 1, 4-6, and 8-17 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramsey Zacharia whose telephone number is (703) 305-0503. The examiner can normally be reached on Monday through Friday from 9 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Thibodeau, can be reached on (703) 308-2367. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9310 for non afterfinal correspondences and (703) 872-9311 for after-final correspondences.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

REZ

Ramsey Zacharia

2/21/02

Paul Thibodeau Supervisory Patent Examiner Technology Center 1700

and Fluelon